

## TELEMETRY CONTROLS SPECIALIST

### DISTINGUISHING FEATURES

The fundamental reason the Telemetry Controls Specialist position exists is to perform and oversee the industrial journey level electrical and electronics work in the installation, maintenance and repair of the City's water & wastewater systems and equipment in the Water Resources Department. The Telemetry Controls Specialist position is non-supervisory. This position reports to the Water Operations Supervisor.

### ESSENTIAL FUNCTIONS

Responsible for installation, maintenance, and repair of high voltage electrical systems, well pump equipment, booster stations, sewer lift stations, motors, switch gear and control equipment.

Oversees, and participates in the installation, troubleshooting and repair of hardware for the telemetry system.

Responsible for the water system electrical controls, instrumentation equipment, electronic metering devices, computer process control equipment and peripheral equipment.

Plans and develops schedule of work to be performed by a team of skilled technicians, including preventative maintenance tasks, control system enhancements, new equipment installations, and emergency repairs.

Participates in the planning and development of the specifications, electrical and electronic control systems to meet future needs of the City's water and wastewater system.

Plans and operates the radio network interconnecting pumping facilities throughout the City and a voice-radio system used by water operations office and field personnel; while monitoring, adjusting and repairing equipment as necessary to maintain compliance with FCC regulations.

Maintains an optimum level of operation; plans, develops and implements software programs to control pumping facilities and reservoirs through the peripheral equipment.

Attendance and punctuality are essential functions of this position.

### MINIMUM QUALIFICATIONS

#### Knowledge, Skills, and Abilities

##### Knowledge of:

The principles, methods, materials and tools used in the electrical trade; the hazards and precautionary methods; the theory and practical applications of industrial and solid state electronic control systems; the functions and mechanics of electrical motors, centrifugal and deep well turbine pumps and water transmission systems.

##### Ability to:

Work rotating weekend shifts, holidays and a call-out schedule.

Communicate orally by telephone and two-way radio

Troubleshoot defects in electrical and electronic systems and equipment.

Establish and maintain effective working relationships with co-workers, supervisors and the general public.

Operate a variety of equipment and machinery requiring continuous or repetitive arm and hand movements.

Prioritize schedule and work tasks and complete work within specified time periods and deadlines.

Move and lift heavy objects (50 pounds or more) both short and long distances.

Walk up and down stairs, climb up and down ladders and, traverse over rough terrain.

Work in adverse conditions, including extreme hot temperatures, cold temperatures, wind, rain and a high volume of noise.

### **Education & Experience**

Any combination of training, education and experience equivalent to completion of a recognized Electrical apprenticeship and five years of experience as a journey level electrician in an industrial setting is required.

Completion of two years of college level coursework in Electronics, along with five years of experience as and electronics or instrumentation technician, is necessary.

Some experience with municipal water systems is preferred.

Must possess and maintain during this position a valid Arizona Driver's License, with no major driving citations in the last 39 months for all driving positions.

**Special Requirements:** Certification as a State Water Distribution Operator I and certification as a Wastewater Collection I Operator within one year of hire.

**FLSA Status: Non-exempt**

**HR Ordinance Status: Classified**